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Gam gets gratis granite

by Tom Daniels

Passing motorists and roving engineers were astonished last week to discover a new boulder sitting in Institute Park, on the site occupied by the former Fiji rock. According to a reliable source, the king-sized paper weight is Phi Gamma Delta's intended replacement for the stolen landmark that is now gracing the roadside in southern Connecticut.

The WPI Newspeak R-Team, a special investigative reporting unit which was formed to look into the disappearance of the multi-hued stone, was again pressed into action earlier this week to determine where the new rock had come from.

At first, R-Team reporters were confident that the rock was a gift of the City of Worcester's Parks and Recreation Department. Last February, Edward Strukus, Commissioner of Parks, told the R-Team that the gargantuan gangue

would be replaced in the Spring, if it had not been returned beforehand. When contacted Friday, however, Strukus told this reporter that the City had nothing to do with the new ornament.

The Brothers of Phi Gamma Delta are remaining quiet about the entire affair d'rock. In a telephone conversation with an R-Team sleuth last Thursday, an anonymous Gammite refused to divulge the origin of the egg-shaped stone. His only on the record comment was, "You can just tell people that the Gam's back, bigger and better than ever."

Members of other fraternity houses, however, have given the R-Team several promising leads. A high placed source confirmed the rumor that the rock was a gift of a Fiji brother whose father owns a construction company. Officials of the fraternity would not deny this story, but offered no enlightenment as to the identity of the geological philanthropist.

Whatever the new fossil's history or

identity, one thing is clear: It has already gained the coveted stamp of approval from the Greek community. A fresh coat of red paint adorned the rock when R-Team reporters visited the site on Saturday. Strangely enough, the midnight Piccasos chose to proclaim the maxim, "GAM No. 1" on the boulder's flanks. It will be quite some time before this painting rivals the accumulated outer shell of the old stone, which was measured at over a quarter inch.

While the emergence of the new rock should bring an end to nocturnal geological escapades for the time being, this reporter has learned that there may be yet another chapter of this saga written in the future. It has been reported that certain parties are still planning to recover the lost trademark as a matter of pride. Whatever the consequences of this, one can almost be certain that one day this spring, Parks Commissioner Strukus may discover that his rocks in Institute Park have mysteriously multiplied.



Tom Daniels

WPI Newspeak

The student newspaper of Worcester Polytechnic Institute

Volume 6, Number 7

Tuesday, March 14, 1978

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Elections not held

Student government not legally in office

by Phil Czapl

"According to the student body constitution, all members of the present student government are illegally in office," said Rory J. O'Connor, associate Newspeak editor, to a meeting of the campus hearing board this past Thursday.

The board, comprised of faculty and students, listened to O'Connor detail his interpretation of the constitution.

O'Connor pointed out that the con-

problems that require immediate resolution.

First, it was agreed that it would be desirable to have new officers elected as soon as possible, hopefully early in D term. As suggested by CHB faculty member Professor Patrick P. Dunn, the new elections could be arranged constitutionally, by having the lone remaining student government officer, the freshman representative, exercise special powers loosely defined in a constitution clause, to set up rules for a new election. An alter-

Elections will be held on Wednesday, April 12th. See related story on page four.

stitution specifically requires that new officers for the positions of president, secretary, sophomore, junior and senior class representatives, chief justice of the campus hearing board, independent chairman, IFC chairman, and SAB chairman be elected during the beginning of C term. Thus the present officers remain seated in student government offices even though their term of office has expired. The only exception is the office of freshman class representative, which by necessity, is filled in A term.

O'Connor went on further to show that legally, late elections could not be held, since, to abide by the constitution as it stands, would require that new officers could not be elected until C term of next year. An even more disturbing fact is that it would be impossible for the president or other officers to amend the document to allow a special election, since they are no longer legally officers. Therefore, there exists no simple manner in which to reinstate student government.

In the discussion that followed O'Connor's remarks, a consensus of opinion was reached on several key

native approach was brought up by Dean Donald Reutlinger of Student Affairs, who felt that there could be an "appeal to precedent" (the act of holding late elections by officers after their terms had expired has happened before) to use one more irregular act of a defunct membership to straighten matters out.

Second, the need to rewrite or revise the present constitution was concurred upon as being of paramount importance to help avoid further problems in the future. The constitution, last revised in October of 1977, was described by O'Connor as being "riddled with contradictions, internally inconsistent" and ill defined clauses.

The board affirmed that it would be best to wait until after the new officers are elected, and then allow them to assume responsibility to rewrite the constitution or appoint an executive committee to amend the document.

At this meeting, however, the board could not vote to take positive action, since faculty members necessary to form a quorum were absent. Thus, at this moment, the future of student government at W.P.I. is left in doubt.



Barry Aronson

A foot plus of wet snow caused the Shrewsbury Boat House roof to collapse.

Boathouse caves in

by Barry Aronson

What do the Hartford Civic Center, Worcester Post Office, and the Shrewsbury Boat House have in common? The roof of each structure has either completely or partially collapsed from an excessive snow load.

The WPI Crew keeps their boats at the Shrewsbury Boat House. When crew coach David Ploss went down to the boat house a week ago last Saturday the corrugated aluminum and two by four part of the structure that housed the crew's shells sat comfortably under the foot plus of wet snow that it had been supporting since the "Great Snow of '78". The docks sat on the shore, bumps under the snow, and Lake Quinsigamond was hidden by 22 inches of ice. No one thought that the quiet peace would be disturbed until winter had left and the water was free of ice.

Last Thursday evening Coach Ploss received a call informing him that the boat house roof had collapsed. The caller said the Burns, which had been the team's number two lightweight boat, and one other boat, it might have been the Emerson, their best lightweight boat, were both unreparable.

That same evening the team was to have a meeting. At the meeting Coach Ploss told them what had happened. The oarsmen were stunned and sober, but were in good spirits and by the end of the meeting had

come up with several money making propositions.

Scott Boothe and Dean Brown went out to the boat house Friday to see first hand how bad the damage really was. They parked along the road, squeezed through a gap in the locked gate, and walked through the empty parking lot, stepping high through the deep snow and looking up at the boat house roof, which looked undamaged from the ground.

The tall, wide doors at each end of the building swung out, but could not be opened because of the heavy snow that was piled high against them. Scott went around to the back of the boat house, climbed through an open window, opened the door to the older part of the boat house.

The light from the door pushed back the dimness far enough to uncover a freshly varnished double. Next to the double was the only window leading into the wrecked boat house.

Through the window could be seen a big splash of light that fell through a 40 foot hole of bent aluminum and broken two by fours and onto a pile of snow. The snow sat on the long eight man shells as if it had not noticed they were there.

Scott pulled back the ripped screen and hoisted himself through the window. Squeezing past the undamaged shells that

[Continued to Page 6]

Editorials:

Constitutional demise

The student government situation has deteriorated to a point where drastic action is in order. The latest development, that all members of the executive council (except the IFC representative) are seated unconstitutionally, is a most serious breach of faith. We have been left with essentially no student government at a time when it is needed.

One of the primary contributing factors to the demise of the executive council is a document that most members of the student body have never seen: the constitution of the WPI student body. A poorly conceived document at best, it is not distributed to those whom it governs, and it is amended nearly at will because of lack of complete knowledge on the part of the voters. It contains contradictions and internal inconsistencies that boggle the mind. The most glaring example is the clause which stipulates that all members of the executive council will serve terms concurrent with that of the student body president. At the same time, other sections of the document demand that members be selected at various times throughout the year. For example, the Social Committee chairman must be selected during B-term. Yet, his term of office must coincide with the mid-C term election of the student body president. This is quite a paradox.

In addition, there are sections of the constitution that do not belong in such a document. A constitution is only meant to set up the purpose, membership, power and duties of the body politic it governs. Yet, the WPI constitution mentions "close working relationships" that must be maintained; it divides "responsibility" for a specific piece of physical property which does not necessarily have to exist.

In the midst of the mumbo jumbo and confusion, one thing is plain: the document is largely ignored. It must be, or such inconsistencies as appear would certainly have been noted and acted upon before.

The largest single problem with the constitution, though, is that it lacks a definition of purpose for the WPI student government. It does not outline a philosophy or a reason for existence. It is obvious that this one dilemma is what keeps student government busy electing people to decide who to elect. The only purpose student government has served has been to perpetuate itself; the interests of the students have been ignored.

The common plea that there are no issues to discuss is a fool's untruth. The meals tax, inability of students to read and write effectively, academic policies, student trustees, faculty overloading, administrative inefficiencies, athletic questions: these are a few possibilities that need discussion. A student government, effectively organized by a well-constructed document and made up of concerned persons, can exert an influence on the WPI community to the benefit of the students. It can be an effective body to bring student grievances and demand to larger bodies: trustees, state, local and federal legislatures. The power of an organized body representing student interests is powerful; in conjunction with the free press it is the most effective way to bring our concerns to fruition.

It is time to, very simply, rewrite the student body constitution entirely. It is time to hold a general meeting of the student body to organize a group of those interested in rewriting the constitution, a constitutional convention. We, the people affected, must get together and set out a philosophy and form of government that will keep rights, desires, and needs uppermost.

The time is now; we must not be slow to organize.

The Editor

Time is the key

Apathy in Student Government at WPI has hit an all-time low.

For almost an entire term, your elected officials, the only voice you have on campus (with the possible exception of this newspaper), have been holding office illegally. While this, in itself, is a tragedy, it is far worse that nobody out there even noticed.

Two weeks ago, in this space, I told of a Student Government that lacked direction. To date, I have received only one reply; that was even from a student. Perhaps I was a bit too harsh in my blasting of elected officers. It seems that they only carry on the fine tradition of their constituents.

What, then, is at the root of these apathetic problems? I, for one, believe that things trace back to an inherent fault within the structure of the Plan.

When the Plan was instituted, it was meant to bring about a greater awareness among engineers and scientists. This was done by having students become involved with projects and other similar vehicles that brought them into contact with the human problems of society.

Unfortunately, the Plan doesn't set aside any time for people to do much besides go to classes and do homework. Students are, to put it bluntly, still paranoid over passing exams and getting credits. After graduation's the thing, and passing courses is the road to graduation.

Seven week courses mean learning at a breakneck pace. The Operational Catalog calls for 17 hours a week worth of work as a minimal amount per course. When you start adding in such things as commuting times, meals, and the recommended (but often impossible) eight hours sleep a night, you have about ten minutes left, in which to do such things as put out newspapers. Of course, when one adds in a job, to pay the tuition...

Time, then, is the key. I don't pretend to have any easy answers to the question of where the extra time should come from, but we must find some, and quick, to get the Plan back on track.

Tom Daniels

**STUDENT GOVERNMENT MEETING
TUESDAY, MARCH 14**

4:00

STUDENT AFFAIRS CONFERENCE ROOM

**STUDENT ACTIVITIES BOARD MEETING
TUESDAY, MARCH 14**

7:00 p.m.

LIBRARY SEMINAR ROOM

**The Academic Committee will have a meeting on
Thursday, March 16 at 11:15 a.m. It will be held
in the conference room of Student Affairs.**

Newspeak

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Opportunities for disabled

by Helen Cordes

(CPS) — For many disabled students, the recently enacted laws requiring "full educational opportunities" may not make much difference. The legislation has passed, but too often the funding and motivation on part of the university isn't there.

In many schools, however, the laws have acted as a catalyst for disabled student groups to lobby harder for complete accessibility to school facilities. Groups, and even individuals, have been responsible for not only the removal of architectural barriers, but a spectrum of services ranging from braille transcriptions to campus wheelchair repair.

It's been almost a year since HEW Secretary Joseph Califano, ending two administrations' inaction, signed the regulations implementing Section 504 of the Vocational Rehabilitation Act of 1973. It was largely activism by disabled people, including massive demonstrations in ten major cities, that finally brought about passage. Section 504 promised some wide-range changes: all facilities receiving HEW funding must make all their services accessible; employers may not discriminate against the disabled; free public education will be available for disabled children; and all programs at HEW-supported colleges and universities will be made available to the disabled.

The timetable for implementation on 504 allowed 60 days to provide accessibility, with the exception of major structural changes. By early December, a "transition plan" was to be completed that would be carried out by June, 1980. This June, institutions must complete a self-evaluation. Translated into real life, a timetable is only as good as those following it. HEW warned last month that non-compliance risked cut-off of funds. But given the thousands of institutions it must regulate, the government is not tremendously efficient watchdog agency.

At colleges and universities, the watchdogs are disabled students and/or a concerned administration. Their biggest deterrent is the problem of funding. Section 504 did not specifically provide for federal allocations to pay for the increased accessibility, and often schools point to this when lagging behind in 504 regulations. But many campuses are finding that making all its programs accessible doesn't mean making every building accessible. And volunteer efforts to provide services for the disabled often result in snarling state, federal or grant money.

At the State University of New York, Binghamton, small groups of students, faculty and staff founded the Office of Programs for Students with Disabilities. Volunteers, and one paid staff member, ran the office for a year before a federal grant provided for three and one half paid staffers and an increase in services which includes counseling and advocacy assistance for students on and off campus.

A new internship program, "The Disabled and the Law" has benefitted many of the 150 disabled students at Chico State in California. The Associated Students are funding the bulk of the program, although the salaried student director is assisted by volunteers. The internship, sponsored by the Community Legal Information Center, concentrates on legal programs in student housing and transportation and working with prospective employers to hire the disabled.

The Handicapped Student Center at the University of Massachusetts, Boston, started as a work-study project by a blind student. Work-study students still carry on the center's services by reading and recording for blind students, teaching singing to deaf students and serving as attendants.

Disabled student groups are often sided by city and state advocacy organizations promoting disabled rights. The demonstrations for the passage of Section 504 were sponsored by the American Coalition of Citizens with Disabilities, an umbrella organization of 45 national, state and local disabled groups. Groups of Disabled in Action exist in four major cities, and will eventually be nationalized into a federation.

MOM WAS RIGHT.
WPI GRADS GET
JOBS WITH ALL THE
BIG CORPORATIONS

XXUIN



Nuclear waste disposal

by Mark Kelsey

First of all, let me applaud the article by the distinguished William H. Coyne against my honorable opponent of last week. I agree that Mr. Wasserman did not deal with the scientific problems and dealt with economic and environmental problems instead, these problems that he speaks about would probably happen in connection with a lot of things besides nuclear power. I would hope in the future that Mr. Wasserman would more directly address the problems associated with nuclear power, which I have addressed and will be addressing in this article.

Secondly, let me clarify my position on nuclear power, because I don't like to be thrown carelessly into a category such as "pro-nuke" or "anti-nuke." I feel that this makes a person look like he's all for it, or all against it. I am neither, I am more in the middle leaning somewhat towards supporting nuclear power. My position is this: I lean toward supporting nuclear power because I feel that we cannot be without it, since it is a cheap source of energy.

Op-Ed:

However, the problems associated with nuclear power should be solved, and not cast aside as something to be done at a later time, if we are to continue to promote the growth of nuclear power.

Many of these problems, such as the lack of a cooling system at Seabrook Nuclear Power or the release of 80,000 gallons of irradiated water down the Connecticut River by the Vernon Yankee Power Plant can be solved by better management. I would hope that the AEC would more strictly enforce rules and regulations in regard to management of nuclear power plants to make sure these occurrences are minimized. The major problem besetting nuclear power plants is the disposal of nuclear waste. The preferred way of solving this problem is by deep burial in a geological stable formation, far below water tables. This would make the likelihood of entry of radioactive materials in to the biosphere less than it would be for naturally occurring radiation. However, there are complications to this solution.

First of all, there is the possibility of heat generation by residual fission products. This usually occurs during the first few years of storage. Thus, the need to cool the fission products is eliminated if the waste is stored for ten years before the waste is put into permanent disposal.

Secondly, the policy of the DEC has been to allow the civilian nuclear power plants to use retrievable surface storage until the 1990's, which will hopefully be permanent disposal of nuclear waste in geologic

formations. Unfortunately, this policy seems to imply that permanent disposal is very difficult or fraught with hazards. Now, EROA is committed to showing how this process could be safely and successfully carried out. The procedure involves converting the radioactive waste to a highly insoluble mineral form, such as ceramic, a glass, or a concrete. After this conversion,



the radioactive material would be sealed in a heavy-walled steel cylinder container, which is sealed hermetically and placed in a geologic formation.

However, a number of factors must be considered for the placement site of nuclear waste disposal. First, there is the geological suitability. Also, the site must be selected so that surface operation, shipping and handling takes place in an acceptable environment to local citizens, state, regional and political authorities. Finally, assuming the possibility of obsolescence of nuclear fission power the site should be able to be closed off so that the radioactive material has little chance of entering the biosphere.

Of course, there are other options for disposal of nuclear wastes. This includes disposal of canisters in sedimentary continental shelf regions and of canisters into antarctic ice sheaths with disposal depths getting to as high as one mile deep. Other schemes for which present technology is not available would include the "burning" of waste materials in reactors or in excess neutrons, and disposal of waste into the sun. I believe that all of these disposal methods should be weighed according to cost, safety, and other factors and the best approach (which may be a combination of things) to disposal be recommended for solution of this problem.

Of course, again there are other problems which will plague nuclear power. One such problem is the possible diversion and use of enriched fissile material by terrorists. This could be done in a number of ways: they could capture nuclear weapons, nuclear weapons materials, products from civilian plants, fuel elements from civilian power plants, spent fuel elements or they could allege that they diverted these materials. The most likely one of these to occur is the alleged diversion of nuclear materials. The others require force, specialized inside knowledge, technical skills, resource, and physical

facilities to convert raw materials into weapons. Of course, the lower you get on the list in terms of going from stealing a nuclear weapon to stealing spent fuel elements the more these things are required. However, it must be pointed out that although information is readily available for the design of crude nuclear weapons (such as in the story of a graduate student who found enough information in a library) if the project starts from scratch with materials in inconvenient chemical and physical form it would probably cost a great deal of time and money to make such a weapon. Also, the possibility of diversion is further reduced by the fact that there are many other options that are more attractive to terrorists. However, I still feel the possibility of diversion of nuclear materials for terrorists threats is still likely and an appropriate course of action should be taken to solve the problem.

One way of solving the problem is by making adequate safeguard systems. The proper method for making these safeguard systems adequate is this:

1. Describe its functional and operating characteristics.
2. Describe and assume successful attempts at theft or diversion.
3. Characterize these scenarios by four factors: skills, resources, force and inside knowledge.
4. Each safeguard system should be characterized by the smallest combination of resources and skills needed to divert or steal nuclear materials.

Another way of solving this problem is by denaturing fuel cycles. A variety of options are available in this area like: a natural denaturing by partial decontamination of the fuel; and the addition of spiking agents that are not naturally occurring fission products. This would make the fission products very radioactive and lethal to any would-be terrorists. Also, it could make the products have a low level of radiation but it would make diversion easier to detect. Of course, one would do as well to look at military safeguards for the possibility of terrorist diversion and take example from them.

Therefore, I must conclude that these major problems, especially that of disposal of nuclear waste should be solved in an appropriate way. I have given a number of ways to solve these problems, and I would hope that in the near future efforts would be made to use one of these solutions or other better solutions that can be thought up to solve these major problems so that we can continue to promote the growth of nuclear power without hesitation.

Source: *Annual Review of Energy* ed, Jack M. Hollander; assoc. ed., Melvin K. Simmons (Annual Review Inc., Palo Alto, California, 1976) pp. 121-129.

IFC Corner:

This past week, Epsilon Chapter of Theta Chi Fraternity here at WPI held its annual elections. The president for the next year will be David Wardell. The other major officers also elected are: Gary Sawicki, Vice President; Mike McDonald, Secretary; Mike Ramadei, Treasurer; Mike McGuinness, Assistant Treasurer; Paul Diotalevi, Rush; Scott Harvey, Pledge Marshal; and Joe Horvath, Social Chairman.

Theta Chi is also pleased to announce the induction of twenty-five new brothers and another pledge bringing to sixty-three

the number of actives in its chapter here. The new brothers are: Alan Cave, Dave Desroches, Steve Domke, Brian Dumont, Lee Haas, Tom Hryniewicz, Lee Interrante, Ed Loring, Mike McGuinness; Pete North, Paul Perreault, Stu Ross, Rich Seaver, and Doug Small.

Also, Dave Wilk, Jorge Garcia, Mike Bergeron, Rich Cady, Tim Carew, Pete Connolly, Mike Curry, Mike DeLacruz, Ken LaLiberte, Steve Salmon, Jim Sloss, and Mike McDonald. The new pledge is Ernie Courmier.

Peter J. Mulvihill

Classifieds:

COLLEGE POETRY REVIEW: The National Poetry Press announces the closing date for the submission of manuscripts by College Students is April 1. *Any Student* attending either junior or senior college is eligible to submit his verse. There is no limitation as to form or theme. Shorter works are preferred because of space limitations. Each poem must be typed or printed on a separate sheet, and must bear the Name and Home Address of the student, and the College Address as well. Manuscripts should be sent to the Office of the Press, National Poetry Press, Box 218, Agoura, Ca. 91301.

WANTED: Used drawing—drafting table. Contact WPI, Box 1167.

ROOMMATE needed for apartment for D term. Five minute walk from Tech. Own room. \$85 per month. 756-4511.

PERSONAL: Happy Belated Birthday Joan McNamara.

FOR SALE: One slightly used trapeze. All stainless steel construction versatile and fun for the whole family. Call Gary Knox 852-0320.

Mail to WPI NEWSPEAK, Box 2472, or bring to WPI NEWSPEAK, Room 01, basement, Sanford Riley Hall. Remember, payment must accompany this form in order for the ad to run.

NEWSPEAK will run classifieds at the rate of 25c per line (15c per line for students). Payment must accompany this form. Deadline is Friday noon for the following Tuesday issue.

NAME _____ PHONE _____
ADDRESS _____ TOTAL ENCLOSED _____

AD TO READ AS FOLLOWS:

	lines
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Election notice

On Wednesday, April 12th elections will be held for the following offices: Student Body President, Student Government Secretary, Class Officers ('79, '80, '81), President, Vice President, Secretary, Treasurer, Class Representative, Campus Hearing Board, Independent Representative, Commuter Representative.

Qualifications:

- a) The Student Body President shall be a full time junior at the time of his/ her election and in academic residence at least three out of four terms of his/ her office.
- b) The Student Government Secretary must be a full time Sophomore or Junior.
- c) All class officers must be members of the class (re-classified students are urged to see Tom Panek R309, Box 1475).
- d) The CHB consists of one faculty-appointed student member, three elected members and two elected alternates (a total of five elected positions).
- e) The independent rep. is a non-fraternity member.
- f) The commuter rep. must not reside in a dormitory, WPI apartment (Fuller, Ellsworth, etc.) or in a fraternity house.

Methods on Nomination:

- All persons wishing to have their name appear on the ballot must submit a petition of 50 signatures to the Student Body President.
- 1) The petition shall state, "We the undersigned nominate (name) for the office of _____"
 - 2) All signatures must be numbered and legible.

Financial aid

For your convenience Joel R. Wincowski, Assistant Director of Financial Aid, will be located in the Student Affairs Conference Room in the "Wedge" until March 15th during the hours of 1 p.m. - 4 p.m. He will be there to accept applications for financial aid and counsel students with regard to financial aid concerns.

Please submit all applications to Mr. Wincowski during that time period. If you would like the application notarized, please bring your WPI Identification Card.

- 3) Only eligible voters may sign a candidates petition, and may sign only one for any given office.
 - 4) Signatures appearing on more than one petition of candidates for the same office shall be deleted from those petitions.
- The deadline for elections is 4 p.m. April 7th. Submit all petitions to Tom Panek, Riley 309. *Do not mail petitions!*
- (Editors Note: Newspeak will be accepting candidates statements for publication before the election. The deadline for submitting statements is noon on the Saturday before publication.)

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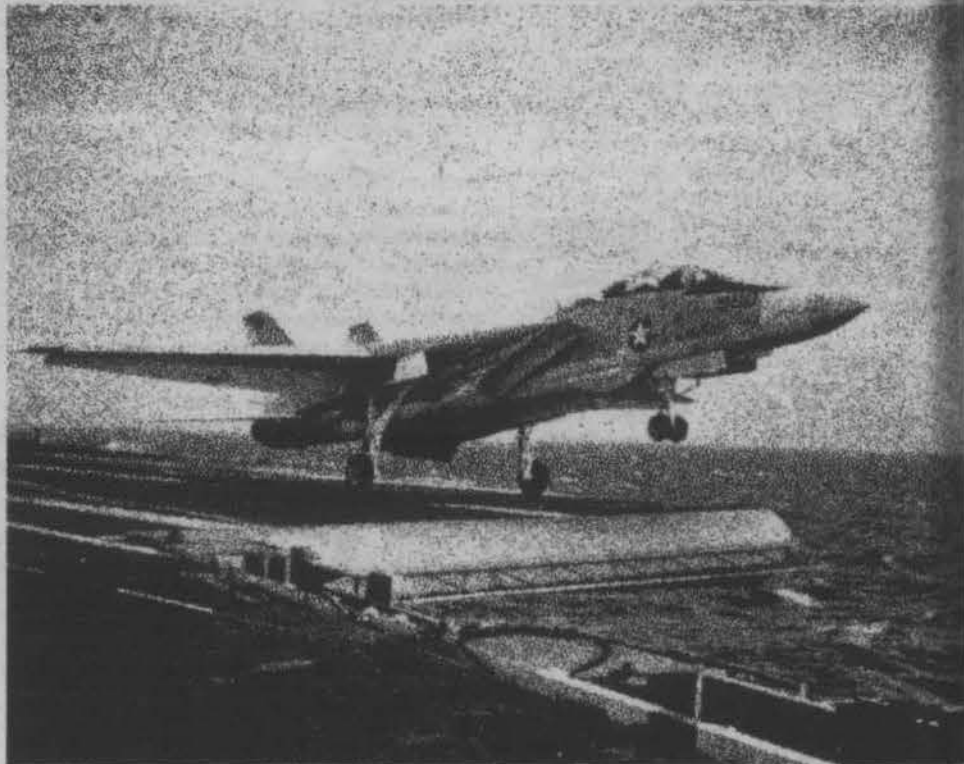
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It could happen to you!

Codework environ

by Don Calawa

"One WPI twelve, one WPI twelve... see a man involved with a water pollution problem at the Nashua River watershed — respond Code 21."

"Code 21? What's Code 21, Alloy?"

"I think that's Environmental and Resource Issues, an IQP area with Prof. Kris Keshavan, Seed."

Right you are, Alloy, and a very special code area it is indeed. Dealing with areas as broad as food production, land resources, mineral exploitation and man's general effect on the physical environment, this is indeed an important branch of IQP

potential work. In fact, Prof. Keshavan notes that perhaps "more than half the projects done in Washington, D.C. are in this area."

One area of past project work, as already mentioned, was a study done in this field on the Nashua River watershed. When state agencies in New Hampshire decided to put a stop to all the industrial dumping of waste, industries left, and this hurt the economics of the local communities by lost tax revenue, unemployment, and the like. But this also enhances the river's value as a natural resource, aiding social life and recreation. To examine and weigh the pros

On Projects:

and cons in such a situation is an important project, and has direct counterparts in the real world with business and resource management jobs.

Started two years ago like the other code areas, code 21 is busy with many practical, "now" issues. Its advisor, Prof. Keshavan considers the work done here as stimulating. "A project is a self-learning tool," he noted, "and interface (between student and advisor) should not be trivial." According to the professor, students have the conception that "the IQP is not as important as the MQP. This is a *serious blunder*. Both the student and the advisor should pursue the IQP with the same vigor that an MQP is approached."

The only stumbling blocks Keshavan has seen so far, however, is a general "lack of direction to start with...". He very strongly recommends a student start out with a written proposal to clarify the problem. It should be flexible enough for changes to take place, but if "it is a very drastic problem," it should be open for complete re-write as well. "Faculty advisors

and students should meet regularly to determine the direction the project is taking." He also recommends an interim report to the advisor from the group just after the half-way point.

Many agencies have been co-project advisors in this code group, including the MDC and the Appalachian Mountain Club, among others. The only background Prof. Keshavan felt might be helpful was "some basic understanding of the sociological field... even some humanities." Who does one go to see for more information? "I have a list of faculty members... interested in various areas..." was the reply. So Prof. Keshavan is the person to see for the low-down.

"So, Seed, what do you think of Code 21?"

"Gosh, Alloy, if you weren't my partner on our project already, I'd put in for a transfer to Code 21 full-time."

"Thanks for the vote of confidence, Seed. Let's call in a code 7 (duty break) and celebrate at daka."

"Celebrate at daka? I'm putting in for a transfer this afternoon!"

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Living museums

When wallowing in the quagmires of IQP codes, it's nice to find sturdy vines here and there to pull oneself out on — such a growth is one project in the Living Museums (02) code area. Advised by Profs. Keil and Parkinson, the project is concerned with constructing a sword display for the John Woodman Higgins Armory.

The Living Museums area is concerned with matching student interactive projects with the serious needs of many museums to catalog and set up varied thematically-related exhibits. Museums presently involved in this effort in conjunction with the school include: Peabody Museum and Salem Maritime National Historical Site, both in Salem, Mass., and both involved in shipping and maritime history, and its effects on the Salem area culture; Merrimack Valley Textile Museum in North Andover, Mass., concerned largely with the technology of mechanics, inventors and manufacturers in Worcester County 1780-1880; our own Worcester Historical Society, which is looking to see projects done on the industrial development of Worcester; and, of course, the Higgins Armory.

Started last year with the help of Rockefeller Foundation support, the armory project is progressing steadily with the blessings of the armory's director, Richard E. Ford. Now entering its final stage, the project involved a good bit of research into swords: their cultural, practical, and warring aspects. When this was done, the next step was to pick and choose among the museum's vast sword collection (they house 'the most extensive private collection of medieval and Renaissance arms and armor in North America'), some fifty or so swords, arranging them in an eye-catching, chronological and thematic display. And

'eye-catching' is indeed the word, as the yet unbuilt display is presently planned to be fifty feet high, by twelve feet wide — branching out in tree form, chronologically from the base. The grand opening of this European exhibit is slated for the third week in May.

When asked about the future of the armory as a project location, Prof. Keil noted that a group of four students had signed up on Pre-registration Day, for making an exhibition on an armorer's workshop. Among other possible projects at Higgins Armory are such exotic ideas as an analysis and exhibit of women in warfare.

As regards this project code area, some sixty students have indicated a desire to work in this area. To help them and others with preparations for their IQP, this explorer asked Prof. Keil what background would be helpful for work in this field. The most important item in this code area is to get started early. He mentioned that bibliographies of helpful source material is given out to students showing an interest in this area, with the hope that a little leisurely reading will be done over the summer. Along with this, he states, a course or two on the history of technology would be nice, though not a prerequisite in any case. Judging by the turn-out for the pre-registration (a sizable increase over last year), prospects for IQP's in this area are looking up. If future explorers of the field find this vine useful, they are encouraged to see its chairman Prof. Johnson, SL 17.

A last reminder to you, my exploring posterity. When in the jungle, remember: safety first. This goes double at WPI. A few well-thought out questions asked in advance about any area you are interested in will save a lot of grief later. Good hunting, gentlemen.



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the fourth Thursday of every
month.

GET MORE INFORMATION
CONTACT:

Tom
WPI P.O. Box 2400
or call 791-9134

... Crew

[Continued from Page 1]

were stacked against the old, cinder block walled part of the boat house. He hurried over to a stack of splintered shells and checked their bows to see which boats were gone.

The Burns had been at the top of the stack and was split in two. Below the Burns was the Hurry Up 'n Wait, bulging under the weight of the snow, long splits in the dark wood. The third boat down was the Emerson, round bottom pushed into a strange curve.

The Olson, the heavyweight eight, and all of the fours were undamaged, but they would have to be left in the boat house, which would surely come down completely with another snow or rain.

The town of Shrewsbury owned the boat house and would have to remove the boats and would not allow anyone to remove the boats. The boats may be covered by the town's insurance, but this will not be confirmed until later this week. Coach Ploss said that new shells cost about \$6000 each new, and about \$3000 used. He went on to say that because of depreciation the ruined shells would not be covered for more than \$2000.

Coach Ploss said he would probably get one new and one used shell. He also said that it would be a few weeks before the boat house was repaired and that he had no idea when he would be able to get new shells.

The season starts April 1st.

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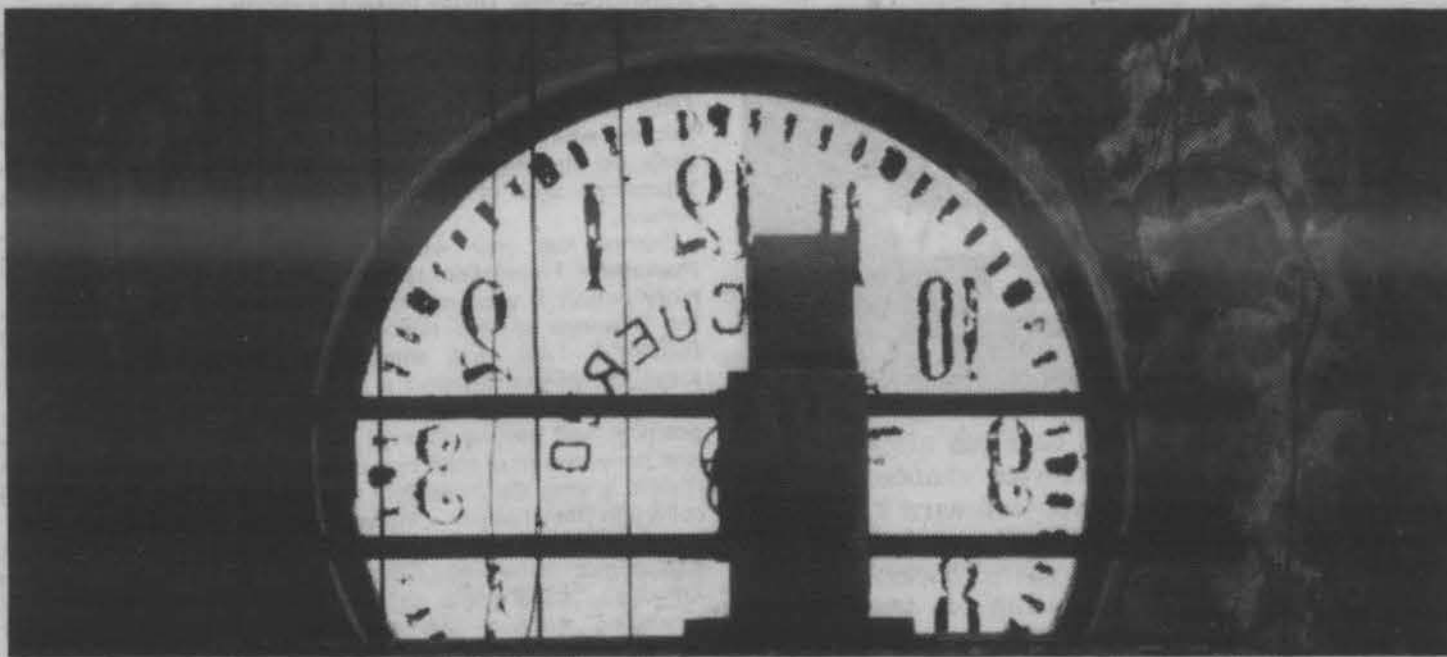
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J.P. WEEKEND

April 14 & 15

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SPORTS

Pucksters ice season

The Hockey Club ended its season last week by winning one of three games. In the first game against Rhode Island College, Tech won 8-5. The game had many fights including a bench clearing brawl near the end of the game. Ray Cronin had three goals, Jim Morin had two, and Andy Cay, Greg O'Halloran, and Dave Freni each had a goal. Paul Fearnside had four assists. Mike Garielphy played in goal and got the win.

Not much can be said for the last two games as many of the players did not have the time to show up. Tech lost to Stonehill 13-4 and to Tufts 5-3.

Despite a poor 3-10 record, WPI did show that they are capable of playing Division III hockey with adequate ice time for practice. The team hopes to become a varsity sport either next year or the year after. Leading scorers for the year were Ray Cronin and Chuck Crowley with 13 points. The teams would like to thank the coach, Len Bowen and the two managers, Jim Getches and Mike Lombardi for their time and effort put into the club. We would also like to thank the fans who supported us throughout the season and hope to see them next year.

Final Statistics

	Goals	Assists	Points
Ray Cronin	9	4	13
Chuck Crowley	4	9	13
Dave Freni	7	5	12
Greg O'Halloran	3	7	10
Andy Cay	3	6	9
Paul Fearnside	3	5	8
Jim Moran	4	3	7
Tom Lucy	8	1	7
Bill Keville	2	4	6
Chris Tasche	0	5	5
John Wilbur	3	2	5
Phil Scarrell	1	4	5
Lenny Taylor	0	4	4
Mark Riley	1	0	1
Brad Holden	0	1	1
Brian Huntley	0	1	1

Women's Basketball Statistics 1977-1978 Season

Women's Basketball Statistics

1977-1978 Season

Record: 13-4 (12-3 Regular Season)

	GP	FG	FT	F	PTS	AVG	PFT
Team Statistics	17	421	161/298	252	995	58.5	54
Almeida, Sue	16	51	9/18	38	107	6.7	50
Chesney, Karen	2	1	0/0	1	2	1.0	0
Conyard, Nancy	11	14	3/11	8	31	2.8	27
Donovan, Mary	17	65	45/73	22	175	10.3	62
Driscoll, Beth	6	0	0/0	4	0	0.0	0
Frankel, Rachel	8	2	0/1	11	4	0.5	0
Hammerstrom, J.	17	110	65/114	17	285	16.8	57
Keough, Pat	16	37	11/19	32	85	5.3	58
Knepp, Leslie	17	51	7/17	41	109	6.4	41
McDermott, Cathy	16	20	5/10	17	45	2.8	50
Murphy, Pat	11	12	5/13	26	29	2.6	38
Peterson, Peg	17	58	11/20	35	123	7.2	55

GP — Games Played FG — Field Goals FT — Free Throws F — Fouls
PTS — Total Points AVG — Average points per game
PFT — Percentage of Free Throws

— Compiled by Mary Donovan —

INTRAMURAL BASKETBALL LAST WEEK'S RESULTS

KAP (B)	64	MDC	32	DAKA	WBF
TKE	29	SP	28	TROW	LBF
2P	WBF	ROTC	53	GAM (A)	49
KAP (C)	LBF	KRAP	4	SMOKE	1/2—
TC	36	SMOKE	60	SAE (A)	44
QTV	19	KAP (D)	30	KMOA	26
STD (C)	23	SPE (B)	46	LCA (A)	65
PSK (B)	21	KMOA	42	AC	10
ATO (B)	38	TROOP	52	FIJI (A)	55
SP	24	SPE (C)	14	CELTS	17
PATROL	44	BEER	39	SPE (A)	65
09	25	CELTS	24	LCA (C)	21
FULLER	49	SPE (A)	37	ROTC	51
ATO (C)	32	ATO (A)	32	PMO	14
ATO (B)	43	KAP (A)	44	TC	WBF
DAKA	38	PSK (A)	26	KRAP	LBF
PMO	48	SAE (A)	44	KAP (A)	36
SAE (C)	28	TROW	24	TROOP	31
LCA (B)	17	FIJI (A)	36	ROTC	31
SAE (B)	11	OTHG	21	SPE (A)	25
GAM (A)	WBF	IYF	40		
TBLG	LBF	LCA (A)	34		

FINAL STANDINGS BASKETBALL

DIV. I: ROTC 8-0, SPE (A) 7-1, ATO (A) 6-2, TC 5-3, PMO 4-4, LCA (C) 3-5, KRAP 2-6, QTV 1-7, SAE (C) 0-8.

DIV. II: FIJI (A) 8-0, OTHG 7-1, BEER 6-2, CELTS 5-3, STD (C) 4-4, ZP 3-5, PSK (B) 2-6, KAP (C) 1-7, LCA (D) 0-8.

DIV. V: IYF 8-0, LCA (A) 7-1, GAM (A) 6-2, SMOKE 5-3, FULLER 7-4, AC 3-5, KAP (D) 2-6, TBLG 1-7, ATO (C) 0-8.

DIV. III: KAP (A) 8-0, TROOP 7-1, PATROL 6-2, PSK (A) 5-3, LCA (B) 4-4, 09 3-5, SAE (B) 2-6, SPE (C) 1-7, DAN (2) 0-8.

DIV. IV: KAP (B) 8-1, SAE (A) 8-1, ATO (B) 7-2, DAKA 7-2, TROW 4-5, SP 3-5, MDC 3-6, KMOA 2-6, SPE (B) 2-7, TKE 0-8.

INTRAMURAL BASKETBALL

— PLAYOFFS —

BEGIN THIS WEEK

FINALS — FRIDAY NIGHT

Playoff Bound Teams

1. ROTC, 2. SPE (A), 3. FIJI (A), 4. OTHG, 5. KAP (A), 6. TROOP, 7. KAP (B), 8. SAE (A), 9. IYF, 10. LCA (A).

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What's Happening?

Tuesday, March 14

Cinematech, "Sullivan's Travels", Kinnicutt Hall, 7:30 p.m.

Shane Chalke, Jazz Quintet, Free Concert, Higgins House, 8:00 p.m.

Physics Colloquium, "Adsorptive Properties of Microporous Solids",
Dr. Peter Magnante, Clark University, Olin Hall 107, 2:00 p.m.

Wednesday, March 15

Dance Nite in the Pub, 8 p.m.

Thursday, March 16

Coffeehouse, "Jon Ims", Wedge, 9 p.m.

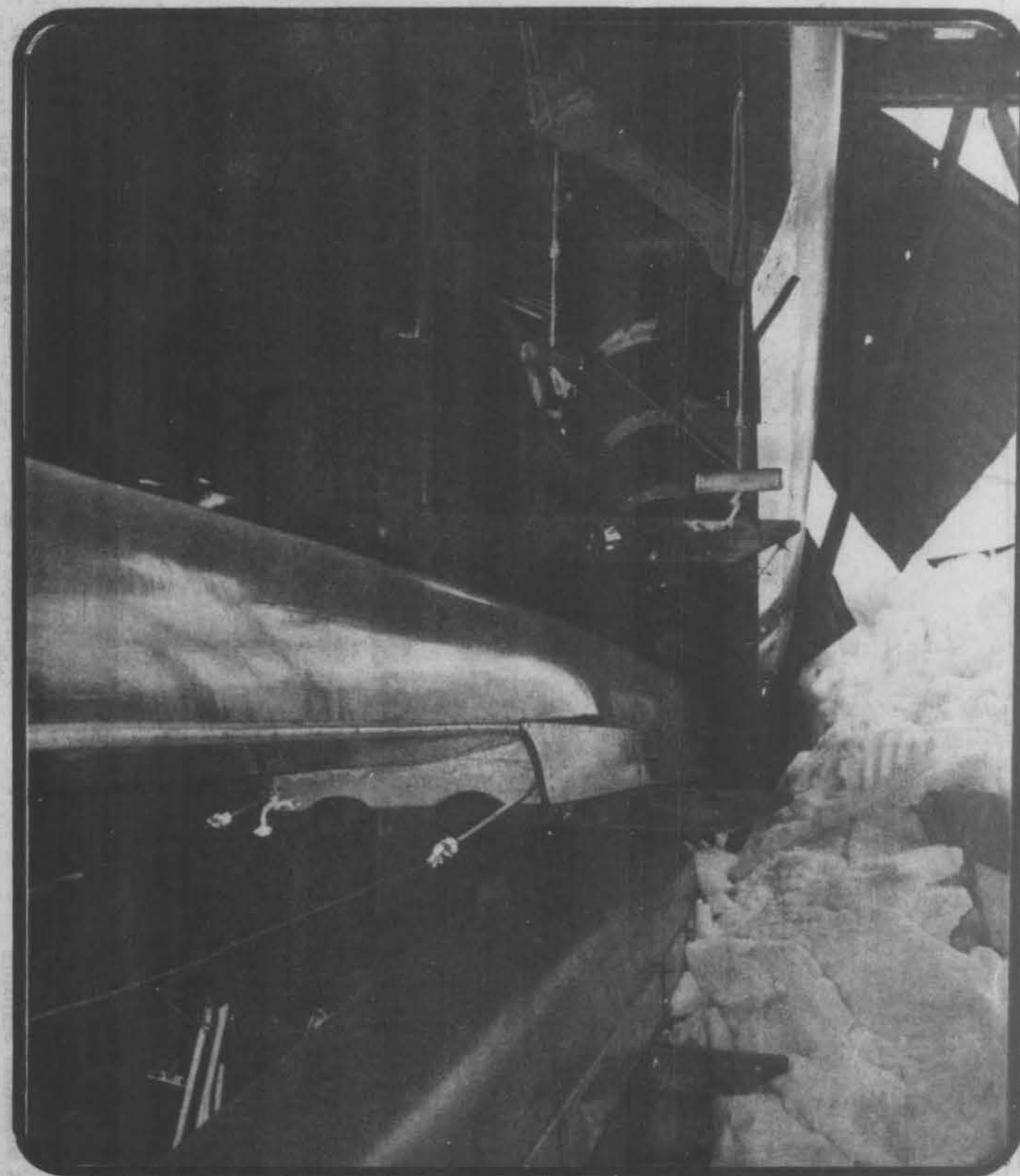
Physics Colloquium, "Local Environment Model for Magnetic
Interactions in Magnetic Alloys", Dr. Vasile Niculescu, University of
Connecticut, Olin Hall 107, 2:00 p.m.

Saturday, March 18

Pub Entertainment, "Day After St. Patrick's Day Celebration", 9 p.m.

Tuesday, March 21

Worcester Consortium Chorale presents the "Schubert Mass in E Flat",
Mechanics Hall, Admission \$2.00. Tickets available at the Office of
Student Affairs or at the door.



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